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APPLICATION NO.	F	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/620,516		07/16/2003	K. R. Udayakumar	TI-35996	8502	
23494	7590	09/13/2004		EXAM	EXAMINER	
		ENTS INCORPOR	CRANE, S	CRANE, SARA W		
P O BOX 655474, M/S 3999 DALLAS, TX 75265					PAPER NUMBER	
DALLAS,	1A /320	3		2811		
				DATE MAILED: 09/13/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

				AX				
		Application No.	Applicant(s)					
₹ "	Advisory Action	10/620,516	UDAYAKUMAR ET	AL.				
	•	Examiner	Art Unit					
		Sara W. Crane	2811					
· · · · · · ·	The MAILING DATE of this communication appe	ars on the cover sheet with the c	orrespondence add	ress				
THE REPLY FILED 16 August 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.								
	PERIOD FOR RE	PLY [check either a) or b)]						
a) 🔲	The period for reply expiresmonths from the mailing of	date of the final rejection.		J				
have been 37 CFR (b) above	The period for reply expires on: (1) the mailing date of this Adv event, however, will the statutory period for reply expire later the ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS 706.07(f). Insight in the status of time may be obtained under 37 CFR 1.136(a). The data filed is the date for purposes of determining the period of extension of time may be obtained under 37 CFR 1.136(a). The data filed is the date for purposes of determining the period of extension of the shortened of the shortened of the shortened of the checked. Any reply received by the Office later than three most atent term adjustment. See 37 CFR 1.704(b).	an SIX MONTHS from the mailing date of FILED WITHIN TWO MONTHS OF THI te on which the petition under 37 CFR 1.7 sion and the corresponding amount of the I statutory period for reply originally set in	f the final rejection. E FINAL REJECTION. \$ I36(a) and the appropriate fee. The appropriate ex the final Office action; or	See MPEP e extension fee tension fee under (2) as set forth in				
1. A Notice of Appeal was filed on Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.								
2. The proposed amendment(s) will not be entered because:								
(a) ☑ they raise new issues that would require further consideration and/or search (see NOTE below);								
(b)	they raise the issue of new matter (see Note b	pelow);						
(c) ☑ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or								
(d)	they present additional claims without cancel	ling a corresponding number of	finally rejected clain	ms.				
	NOTE: See Continuation Sheet.							
3. Applicant's reply has overcome the following rejection(s):								
	4. Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).							
	The a)☐ affidavit, b)☐ exhibit, or c)☐ request fo application in condition for allowance because:	r reconsideration has been cons	sidered but does NO	OT place the				
	The affidavit or exhibit will NOT be considered be raised by the Examiner in the final rejection.	cause it is not directed SOLELY	to issues which we	ere newly				
7. 🛛 F	7. ☐ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.							
-	The status of the claim(s) is (or will be) as follows:							
	Claim(s) allowed:							
	Claim(s) objected to:							
	Claim(s) rejected: <u>as in the final Office action</u> .							
	Claim(s) withdrawn from consideration:							
8. 🗌 -	The drawing correction filed on is a) \Box app	proved or b) disapproved by	the Examiner.					
9. 🗌 1	Note the attached Information Disclosure Stateme	ent(s)(PTO-1449) Paper No(s).	·					
10.	Other:		Sara W. Crane Primary Examiner Art Unit: 2811	ane				

U.S. Patent and Trademark Office PTOL-303 (Rev. 11-03) Continuation Sheet (PTOL-303) 10/620,516

Application No.

Continuation of 2. NOTE: An update search was performed to look for the newly-added limitation of a hydrogen barrier in contact with the side of a ferroelectric capacitor. U.S. Patent No. 6,781,184 was found, which shows in figure 2 a hydrogen barrier layer covering and in direct contact with the side surfaces of a ferroelectric capacitor. U.S. Patent No. 6,706,540 also shows in figure 1F a forming step which has a hydrogen barrier layer contacting the sides of a ferroelectric capacitor. These teachings raise the new issue of whether the claims as amended would be obvious, since the prior art of Yang, already cited, teaches amorphous silicon as a known material for a hydrogen barrier layer.